

Species Tag:	17004	Species Name:	NH3-v2
Version:	1		NH <sub>3</sub> ammonia,
Date:	Mar. 1984		$\nu_2$ vibrational state
Contributor:	R. L. Poynter		
Lines Listed:	442	Q(300.0)=	579.029
Freq. (GHz) <	11589	Q(225.0)=	378.443
Max. J:	17	Q(150.0)=	207.109
LOGSTR0=	-11.9	Q(75.00)=	74.559
LOGSTR1=	-11.6	Q(37.50)=	27.606
Isotope Corr.:		Q(18.75)=	11.251
Egy. (cm <sup>-1</sup> ) >	948.6	Q(9.375)=	5.398
$\mu_a$ =		A=	B
$\mu_b$ =		B=	299196.11
$\mu_c$ =	1.253	C=	183595.39

The lines for this species were derived by combination differences from the  $\nu_2$  lines reported by R. L. Poynter and J. S. Margolis, 1984, Mol. Phys. **81**, 393. Some measurements have been reported by: F. Y. Chu and S. M. Freund, 1973, J. Mol. Spect. **48**, 183. S. Urban *et al.*, 1980, J. Mol. Spect. **79**, 455. E. N. Karyakin *et al.*, 1977, J. Mol. Spect. **66**, 177. S. Urban *et al.*, 1981, J. Mol. Spect. **88**, 274.

The transition dipole moment was reported by B. J. Orr and T. Oka, 1977, J. Mol. Spect. **66**, 302.